REMARKS

The present Amendment amends claims 22, 24 and 25, cancels claims 7 and 27, leaves claim 23 unchanged and adds new claims 28-33. Therefore, the present application has pending claims 22-25 and 28-33.

Claims 22-25 stand rejected under 35 USC §103(a) as being unpatentable over Olivo (U.S. Patent No. 5,172,111) in view of Shimoji (U.S. Patent Application Publication No. 2004/0088739); and claims 7 and 27 stand rejected under 35 USC §103(a) as being unpatentable over Olivo and Shimoji in view of Russo (U.S. Patent No. 5,701,383). As indicated above, claims 7 and 27 were canceled. Therefore, the 35 USC §103(a) rejection of claims 7 and 27 as being unpatentable over Olivo and Shimoji in view of Russo is rendered moot. Accordingly, reconsideration and withdrawal of this rejection with respect to claims 7 and 27 is respectfully requested.

With respect to the remaining claims, particularly the 35 USC §103(a) rejection of claims 22-25 as being unpatentable over Olivo in view of Shimoji this rejection is traversed for the following reasons. Applicants submit that the features of the present invention as now more clearly recited in claims 22-25 are not taught or suggested by Olivo or Shimoji whether taken individually or in combination with each other as suggested by the Examiner. Therefore, Applicants respectfully request the Examiner to reconsider and withdraw this rejection.

Amendments were made to claims 22-25 to more clearly describe features of the present invention as recited in the claims. Particularly, amendments were made to claims 22-25 to recite that the present invention is

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directed to a broadcast signal receiving method and apparatus wherein broadcast information broadcasted and received by a broadcast signal receiving apparatus is displayed in a manner interlocked with auxiliary information stored in the broadcast signal receiving apparatus in advance wherein the broadcast information includes video and audio data and the auxiliary information includes an executable program or script.

According to the present invention the method include storing the video and audio data of received broadcast information in a storage unit employed in the broadcast signal received apparatus, playing back the video and audio data stored in the storage unit, starting execution of the program or the script of the auxiliary information according to a predetermined timing interlocked with video and audio data included in the broadcast information.

Further, according to the present invention after a predetermined of time from a time when the program or the script has been started execution of the program or the script is canceled.

The above described features of the present invention now more clearly recited in the claims are not taught or suggested by any of the references of record whether taken individually or in combination with each other. Particularly, the above described features of the present invention as now more clearly recited in the claims are not taught or suggested by Olivo, or Shimoji whether taken individually or in combination with each other as suggested by the Examiner.

Numerous arguments were presented in the Remarks of the September 12, 2005 and March 28, 2006 Amendments distinguishing the features of the present invention as recited in claims 22-25 from the

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references of record particularly Olivo and Shimoji. The Remarks of said September 12, 2005 and March 28, 2006 Amendments are incorporated herein by reference.

In addition to the features of the present invention that were shown as not being taught or suggested by Olivo and Shimoji in the Remarks of the September 12, 2005 and March 28, 2006 Amendments, numerous other features as now recited in the claims are also not taught or suggested by Olivo or Shimoji whether taken individually or in combination with each other as suggested by the Examiner.

For example, each of Olivo and Shimoji do not provide any teaching whatsoever as to the particular point where to resume playback of the program data let alone resuming the program data from the predetermined start timing after execution of the program data has been canceled as in the present invention as recited in the claims. As noted above, each of claims 22-25 clearly recite that the step of playing back the video and audio data stored in the storage is resumed from a point succeeding the predetermined start timing after execution of the program or the script is canceled or that the step of playing back the video and audio data stored in the storage is resumed from a point succeeding playback of the data generated by execution of the program or the script. No such teaching can be found at any point in either of the references, Olivo and Shimoji, whether said references are taken individually or in combination with each other.

Olivo discloses a device such as an analog device which changes a program, and Shimoji discloses a digital broadcasting system which responds to a user input processing. However, for example, the cited references do

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not refer to when execution of a program or a script of auxiliary information is started and cancelled as in the present invention as recited in the claims.

Therefore, the cited references does not teach or suggest starting execution of the program or the script of the auxiliary information according to a predetermined timing interlocked with video and audio data included in said broadcast information and that after a predetermined period of time from a time when execution of the program or the script has been started, execution of said program or said script is canceled as in the present invention as recited in the claims.

Further, the cited references do not teach or suggest a processor which plays back said broadcast information and said auxiliary information recorded in said storage unit in an interlocked manner such that said program or said script is executed with video and audio data included in said broadcast information by controlling read operations carried out by said read unit according to a predetermined timing interlocked with said video and audio data that after a predetermined period of time from a time when execution of said program or said script has been started, execution of said program or said script is canceled as in the present invention as recited in the claims.

Still further, the cited references do not teach or suggest a processor which plays back said broadcast information recorded in said storage unit and said auxiliary information stored in said recording medium in an interlocked manner such that said program or said script is executed with video and audio data included in said broadcast information by controlling read operations carried out by said read unit according to a predetermined timing interlocked with said video and audio data and that after a predetermined period of time

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from a time when execution of said program or said script has been started, execution of said program or said script is canceled as in the present invention as recited in the claims.

In the Office Action, the Examiner argues that Shimoji teaches a scripts time information table for a time period of script execution (pg.11, para.0234, 0240). However, in these paragraphs, Shimoji only discloses the time at which the navigation information becomes valid, and the time at which the navigation information stops being used. Thus, Shimoji only discloses when the navigation information can be used, and does not teach or suggest when execution of a program or a script of auxiliary information is started and cancelled as in the present invention as recited in the claims.

Further, The Examiner argues that if the no user input is received then terminating the user input section (pd.24, para.0436), which cancels the script. However, it appears that the Examiner may misunderstand this paragraph. In this paragraph, Shimoji discloses a post-process in case of the reception control unit receiving the user input, because Shimoji describes the user input received from the signal reception unit. Thus, Shimoji only discloses that after the reception control unit has received the user input, it terminates the user input processing according to it's judge about the received user input, and does not describe that after a predetermined period of time from a time when execution of said program or said script has been started, execution of said program or said script is canceled as in the present invention as recited in the claims.

Thus, each of Olivo and Shimoji fails to teach or suggest <u>starting execution of the program or the script of the auxiliary information according to</u>

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a predetermined timing interlocked with video and audio data included in the broadcast information wherein after a predetermined period of time from a time when execution of the program or the script has been started, execution of the program or the script is canceled as recited in the claims.

Further, each of Olivo and Shimoji fails to teach or suggest a processor which plays back the broadcast information and the auxiliary information recorded in the storage unit in an interlocked manner such that the program or the script is executed with video and audio data included in the broadcast information by controlling read operations carried by the read unit according to a predetermined timing interlocked with the video and audio data, wherein after a period of time from a time when execution of the program or the script has been started, execution of the program or the script is canceled as recited in the claims.

Still further, each of Olivo and Shimoji fails to teach or suggest a processor which plays back the broadcast information recorded in the storage unit and the auxiliary information stored in the recording medium in an interlocked manner such that the program or script is executed with video and audio data included in the broadcast information by controlling operation carried by the read unit according to a predetermined timing interlocked with the video and audio data, wherein after a predetermined period of time from a time when execution of the program or the script has been started, execution of the program or the script is canceled as recited in the claims.

Therefore, since each of Olivo and Shimoji fails to teach or suggest the features of the present invention as now more clearly recited in claims 22-25, combining Olivo with Shimoji does not render obvious the features of the

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present invention as recited in claims 22-25. Accordingly, reconsideration and

withdrawal of the 35 USC §103(a) rejection of claims 22-25 as being

unpatentable over Olivo in combination with Shimoji is respectfully requested.

The remaining references of record have been studied. Applicants

submit that they do not supply any of the deficiencies noted above with

respect to the references utilized in the rejection of claims 7, 22-25 and 27.

As indicated above, the present Amendment adds new claims 28-33.

New claims 28-33 depends from claims 22, 24 and 25 and as such recites

many of the same features recited in claims 22, 24 and 25 shown above not

to be taught or suggested by any of the references of record, particularly Olivo

or Shimoji, whether taken individually or in combination with each other.

Therefore, the same arguments presented above with respect to the use of

Olivo and Shimoji to reject claims 22-25 apply as well to the potential use of

Olivo and Shimoji to reject new claims 28-33.

In view of the foregoing amendments and remarks, applicants submit

that claims 22-25 and 28-33 are in condition for allowance. Accordingly, early

allowance of claims 22-25 and 28-33 is respectfully requested.

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To the extent necessary, the applicants petition for an extension of time under 37 CFR 1.136. Please charge any shortage in fees due in connection with the filing of this paper, including extension of time fees, or credit any overpayment of fees, to the deposit account of MATTINGLY, STANGER, MALUR & BRUNDIDGE, P.C., Deposit Account No. 50-1417 (501.37519X00).

Respectfully submitted,

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